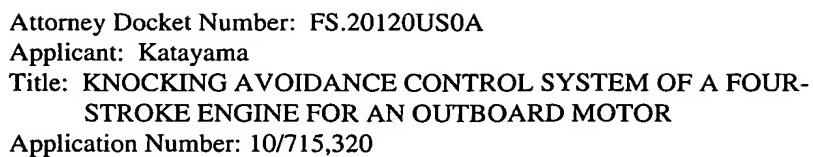


**Figure 1**



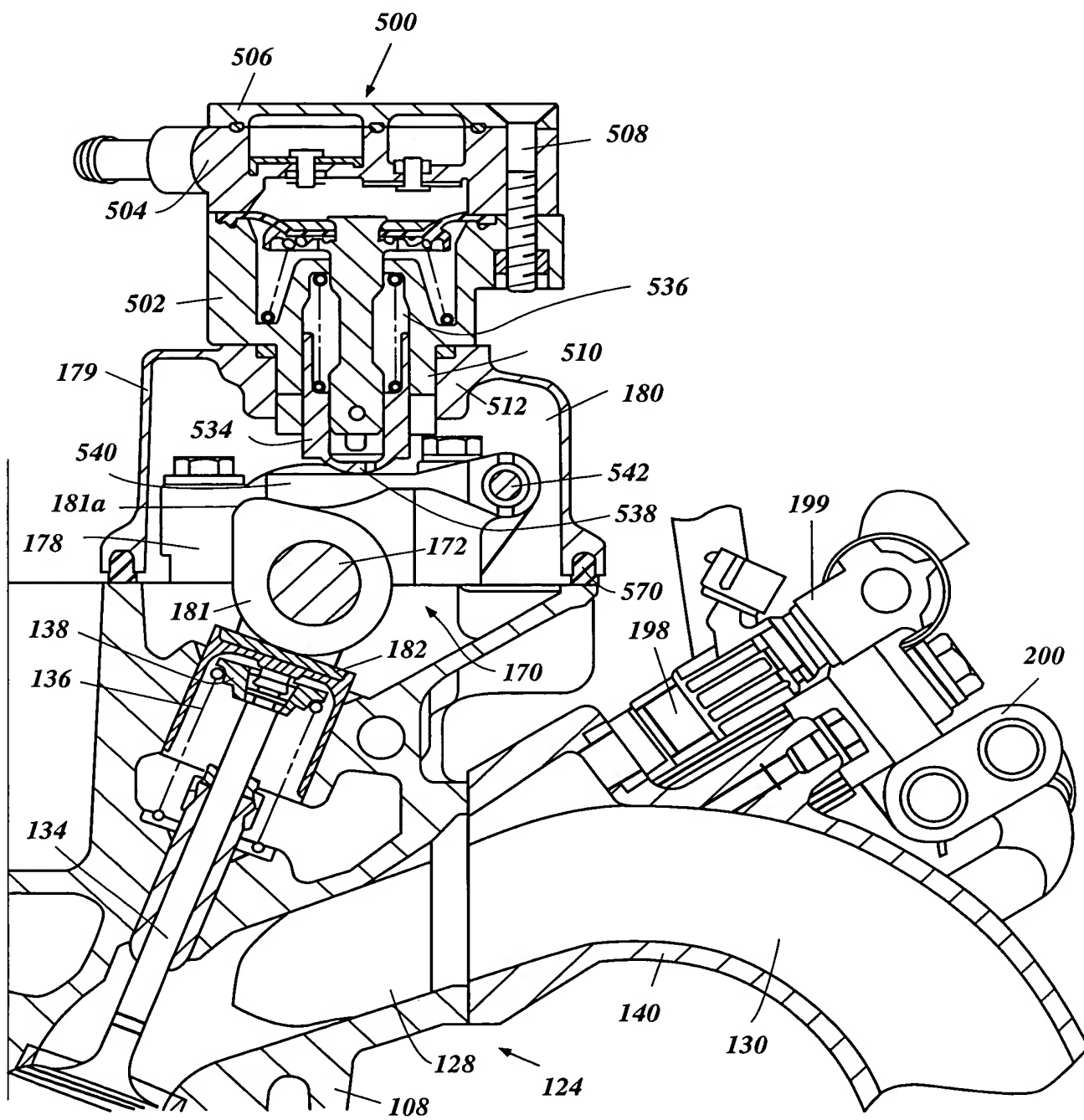


Attorney Docket Number: FS.20120US0A

Applicant: Katayama

Title: KNOCKING AVOIDANCE CONTROL SYSTEM OF A FOUR-STROKE ENGINE FOR AN OUTBOARD MOTOR

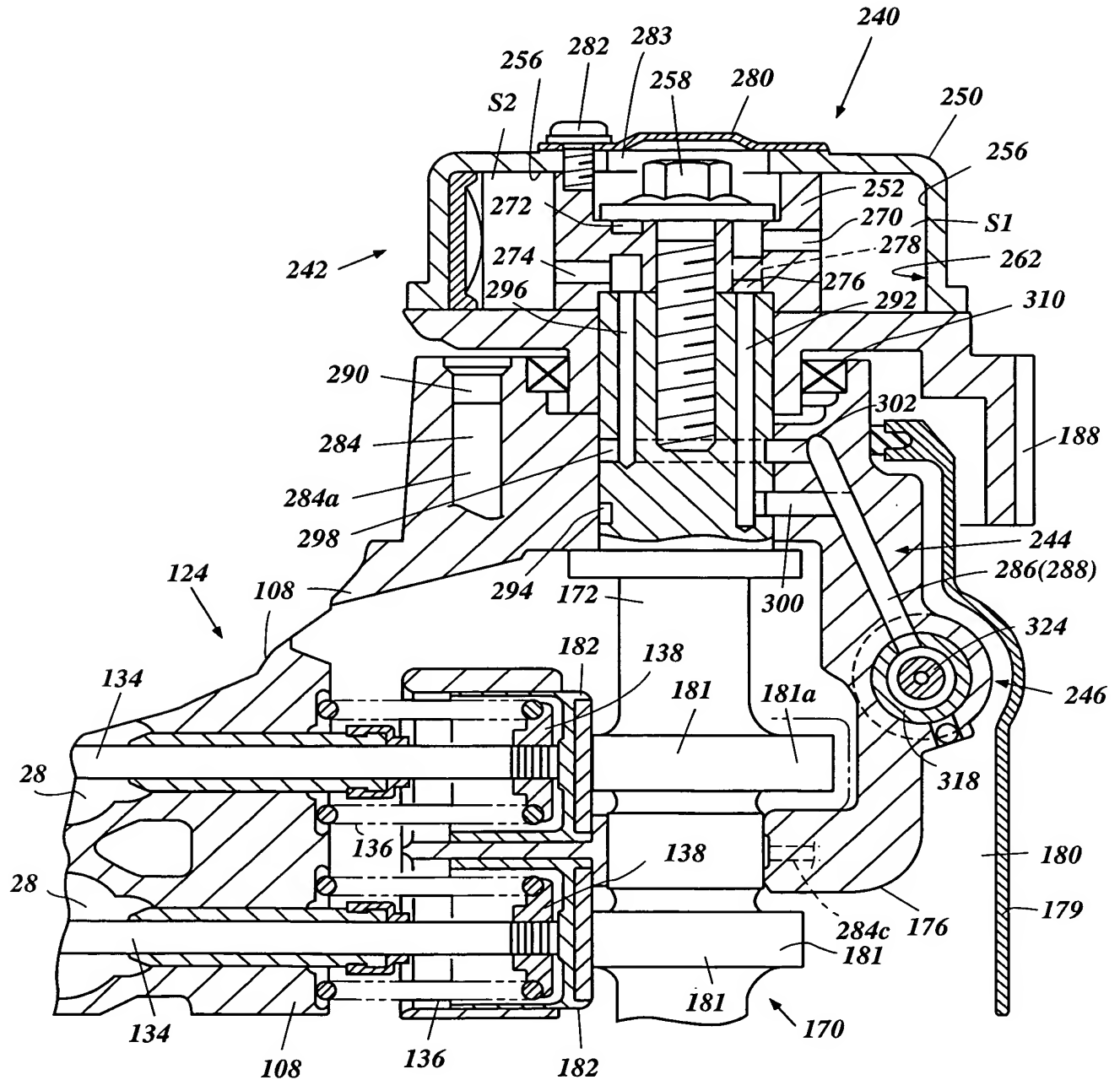
Application Number: 10/715,320



**Figure 3**



Attorney Docket Number: FS.20120US0A  
Applicant: Katayama  
Title: KNOCKING AVOIDANCE CONTROL SYSTEM OF A FOUR-STROKE ENGINE FOR AN OUTBOARD MOTOR  
Application Number: 10/715,320



**Figure 4**



Attorney Docket Number: FS.20120US0A

Applicant: Katayama

Title: KNOCKING AVOIDANCE CONTROL SYSTEM OF A FOUR-STROKE ENGINE FOR AN OUTBOARD MOTOR

Application Number: 10/715,320

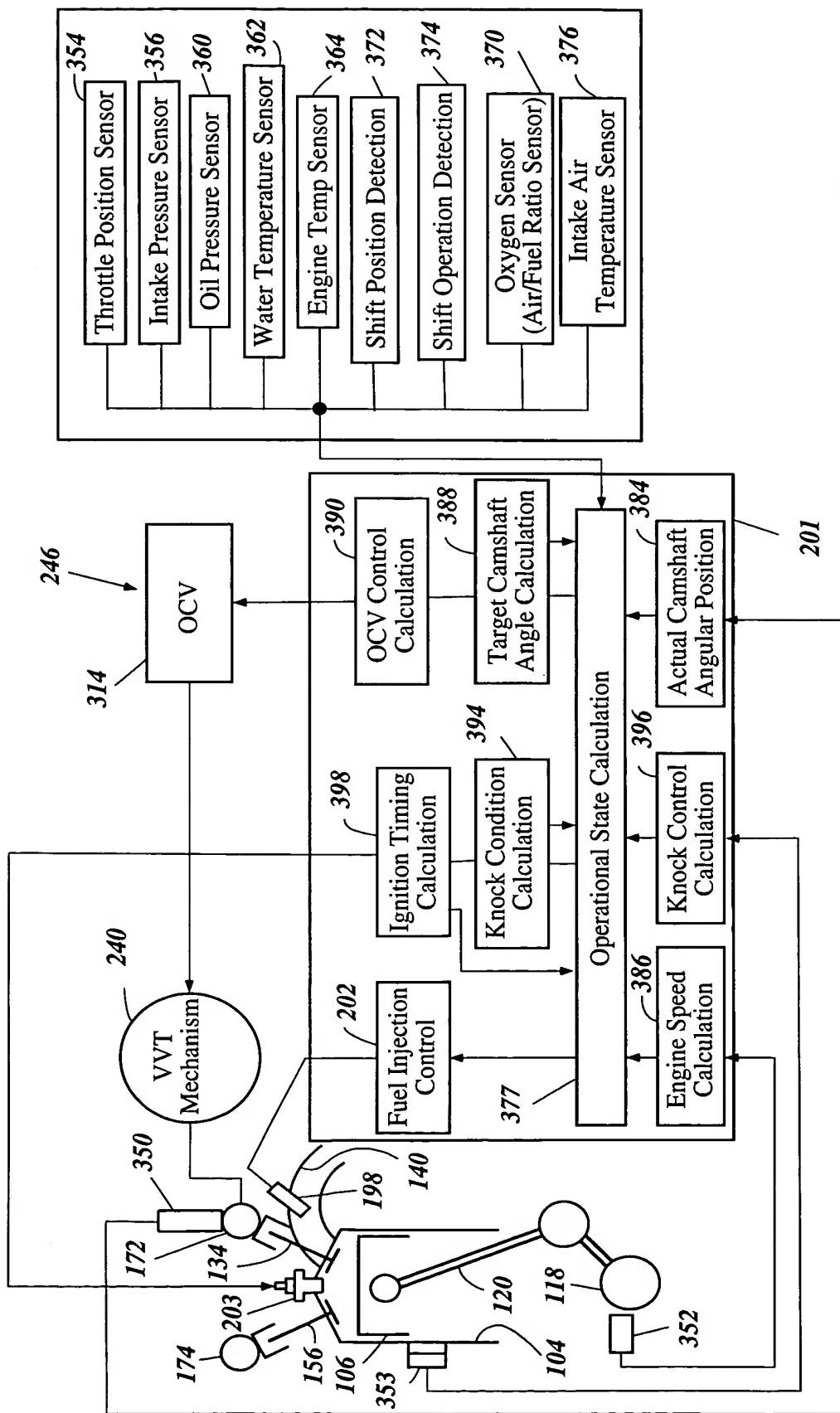


Figure 5



400

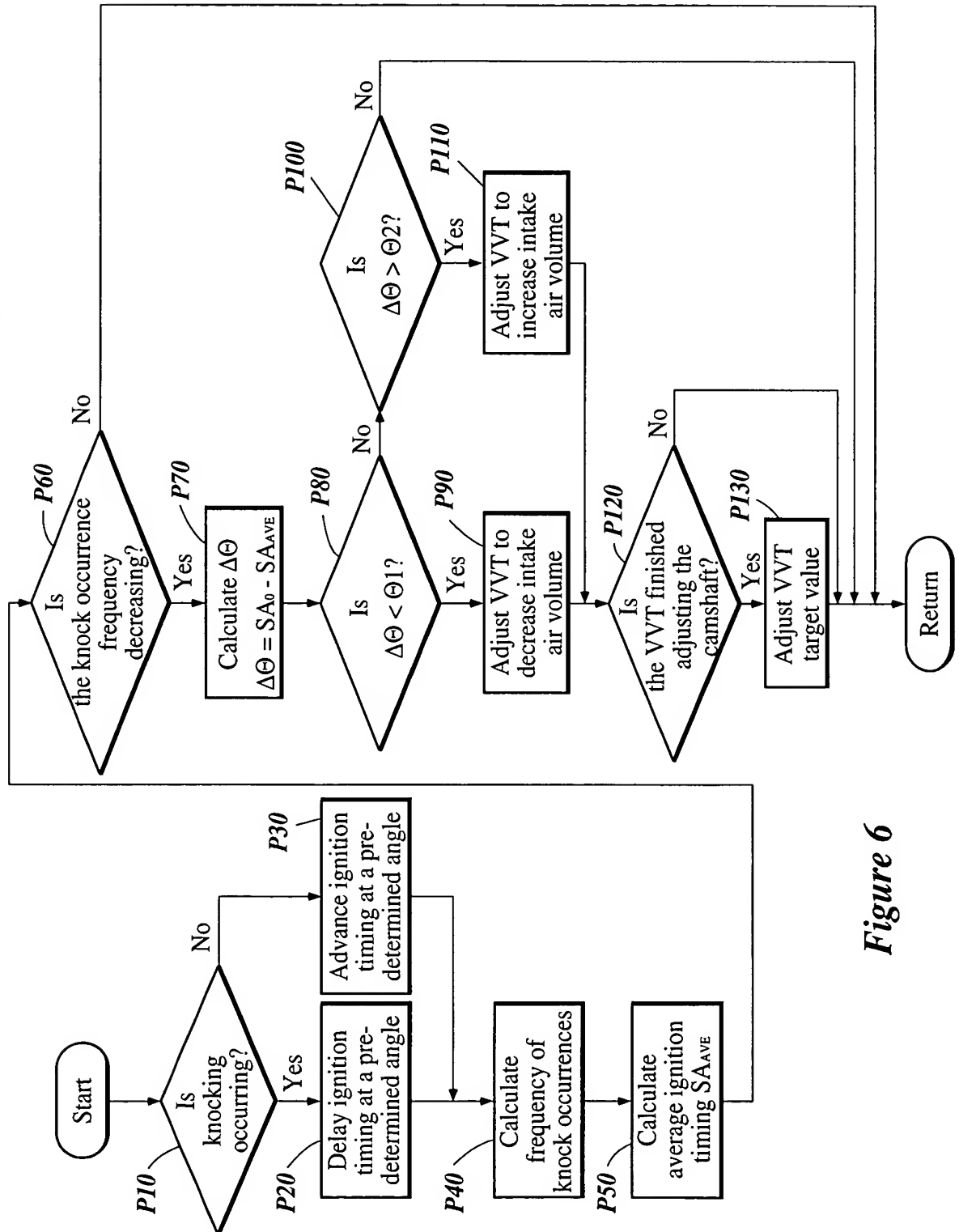
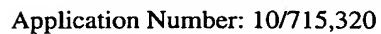


Figure 6



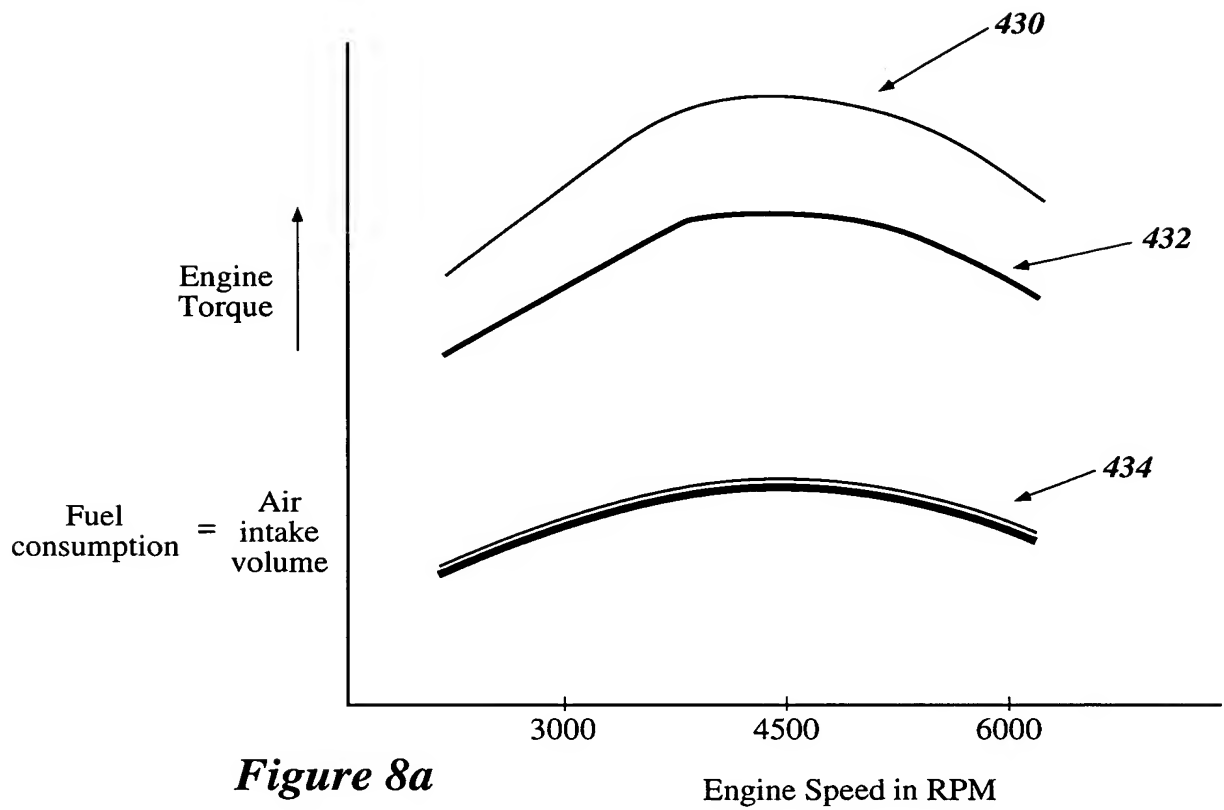


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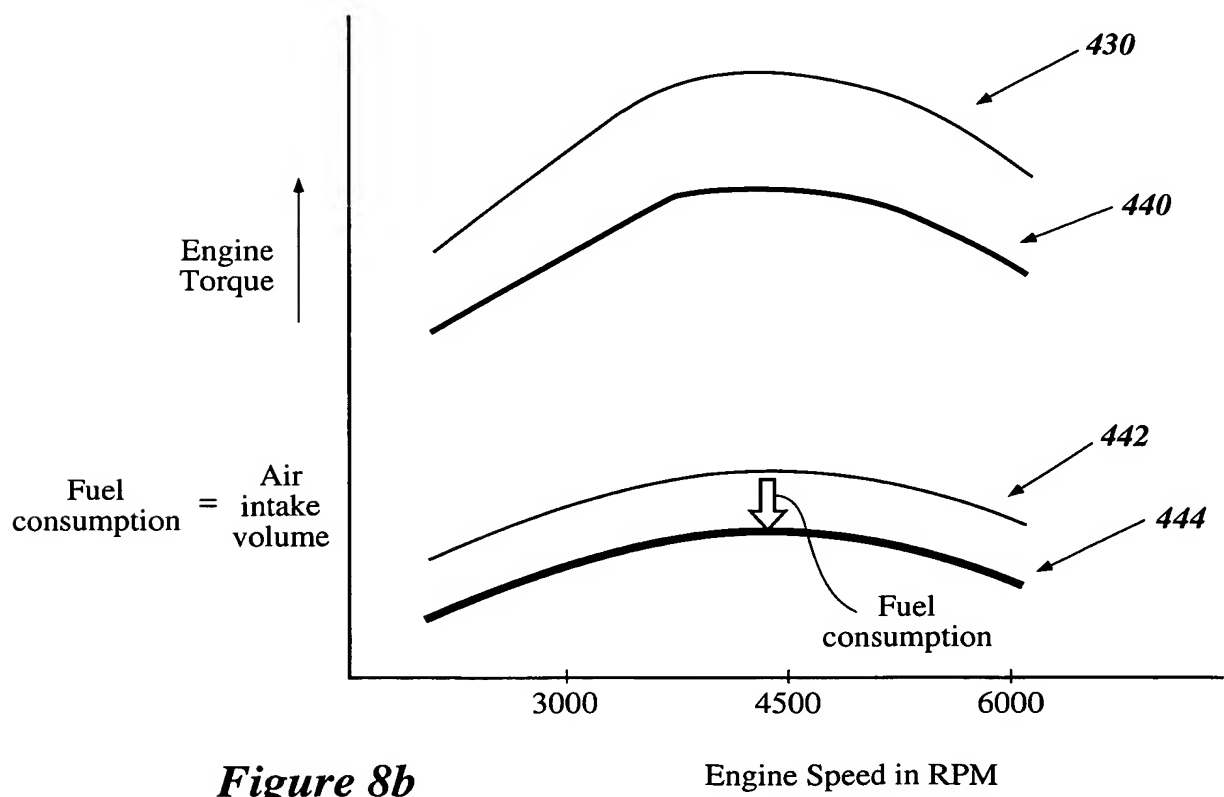
Applicant: Katayama

Title: KNOCKING AVOIDANCE CONTROL SYSTEM OF A FOUR-STROKE ENGINE FOR AN OUTBOARD MOTOR

Application Number: 10/715,320



**Figure 8a**



**Figure 8b**



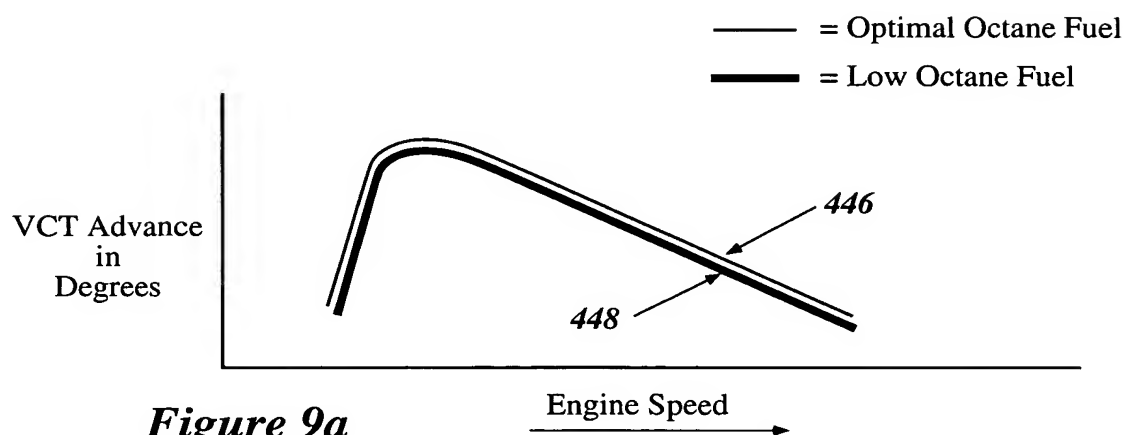


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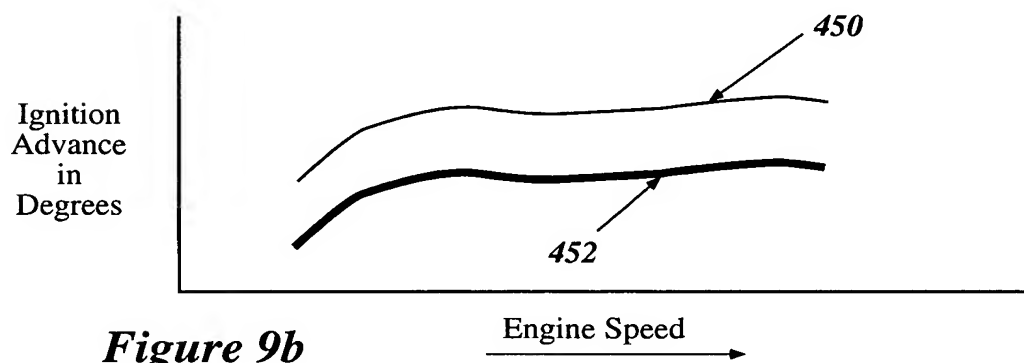
Applicant: Katayama

Title: KNOCKING AVOIDANCE CONTROL SYSTEM OF A FOUR-STROKE ENGINE FOR AN OUTBOARD MOTOR

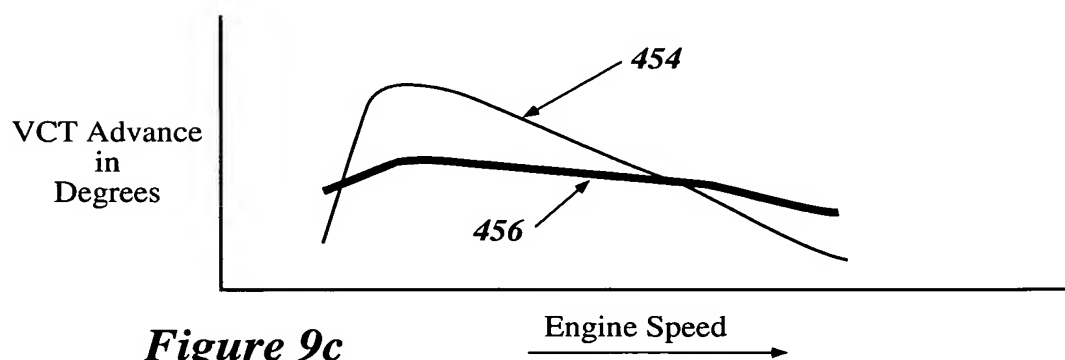
Application Number: 10/715,320



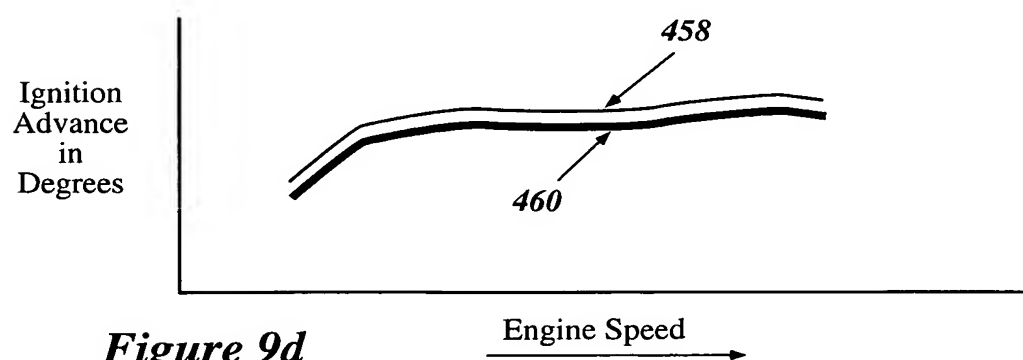
**Figure 9a**



**Figure 9b**



**Figure 9c**



**Figure 9d**